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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/613,169	07/03/2003	Douglas R. Hackler SR.	51889/2	9150
75	90 04/06/2004		EXAMINER	
John R. Thompson			CAO, PHAT X	
STOEL RIVES	LLP			
One Utah Center			ART UNIT	PAPER NUMBER
201 South Main Street, Suite 1100			2814	
Salt Lake City				

DATE MAILED: 04/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/613,169	HACKLER ET AL.	
Office Action Summary	Examiner	Art Unit	
	Phat X. Cao	2814	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with th	e correspondence address	s
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl If NO period for reply is specified above, the maximum statutory period or - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be y within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS fr e, cause the application to become ABANDO	e timely filed days will be considered timely. om the mailing date of this commun NED (35 U.S.C. § 133).	nication.
Status			
1) Responsive to communication(s) filed on			
	action is non-final.		
3) Since this application is in condition for allowa closed in accordance with the practice under E	•		rits is
Disposition of Claims			
4) ☐ Claim(s) 1-44 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-44 are subject to restriction and/or	wn from consideration.		
Application Papers			
9)☐ The specification is objected to by the Examine 10)☐ The drawing(s) filed on is/are: a)☐ acc Applicant may not request that any objection to the	epted or b) objected to by the drawing(s) be held in abeyance.	See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	,	•	` '
Priority under 35 U.S.C. § 119			
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the prio application from the International Burea * See the attached detailed Office action for a list	s have been received. s have been received in Applic rity documents have been rece u (PCT Rule 17.2(a)).	ation No vived in this National Stag	le
Attachment(s)	_		
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summ Paper No(s)/Mail 5) Notice of Informa 6) Other:)

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 9-16, drawn to a process of making a semiconductor device, classified in class 438, subclass 157.
 - II. Claims 1-8 and 17-44, drawn to semiconductor devices, classified in class 257, subclass 250+.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, in the process claim 9, instead of first forming a channel and a bottom gate and then forming a gate insulator on the channel and a top gate on the gate insulator, the top gate and the gate insulator can be formed first and then forming the channel and the bottom gate consecutively on the gate insulator and the top gate.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phat X. Cao whose telephone number is (571) 272-1703. The examiner can normally be reached on Monday Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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PC April 2, 2004

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PRIMARY EXAMINER